

MISSISSIPPI STATE DEPARTMENT OF HEALTH

BUREAU OF PUBLIC WATER SUPPLY

CALENDAR YEAR 2010 CONSUMER CONFIDENCE REPORT CERTIFICATION FORM

Public Water Supply Name

CITY OF MOORHEAD

670008

		List PWS ID #	s for all Water Systems Covered by this CCR
111451	oc maned to the	rinking Water Act requires CR) to its customers each ye e customers, published in a no	each <i>community</i> public water system to develop and distribute a consumer ar. Depending on the population served by the public water system, this CCR ewspaper of local circulation, or provided to the customers upon request
Pleas	ie Answer the F	ollowing Questions Regardi	ng the Consumer Confidence Report
	Customers w	ere informed of availability	of CCR by: (Attach copy of publication, water bill or other)
	-x 	Advertisement in local p On water hills	aper
	Date custor	ners were informed:	
	CCR was d		direct delivery. Specify other direct delivery methods:
X X		lished in local newspaper. (A	ttach copy of published CCR or proof of publication) SE-TOCSIN
		d: <u>06 /09 / 2011</u>	
		ed in public places. (Attach l	ist of locations)
	Date Posted:0	6/06/2011 MOORHEAD, 1	AS CITY HALL AND U.S. POST OFFICE, MOORHEAD, MS
	CCR was poste	ed on a publicly accessible in	ternet site at the address: www
<u>CERTI</u>	FICATION		Sacross. WWW.
I hereby the form consister Departm	certify that a can and manner id not with the water of Health, E	onsumer confidence report (lentified above. I further content quality monitoring data sureau of Public Water Supplement	CCR) has been distributed to the customers of this public water system in ertify that the information included in this CCR is true and correct and is provided to the public water system officials by the Mississippi State y.
Name/T	LD/M/A itle (P y esident)	Mayor, Owner, etc.)	06/13/2011
	//		Date
		in process of the control of the con	Public Water Supply/P.O. Box 1700/Jackson, MS 39215 Phone: 601-576-7518

570 East Woodrow Wilson • Post Office Box 1700 • Jackson, Mississippi 39215-1700 601/576-7634 • Fax 601/576-7931 • www.HealthyMS.com

2010 Annual Drinking Water Quality Report City of Moorhead PWS ID#: 0670008

2011 JULIS ALI 9: 37

May 2011

We're pleased to present to you this year's Annual Quality Water Report. This report is designed to inform you about the quality water and services we deliver to you every day. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed to ensuring the quality of your water. Our water source is from three wells drawing from the Meridian Upper Wilcox and Upper Wilcox Aquifers.

The source water assessment has been completed for our public water system to determine the overall susceptibility of its drinking water supply to identify potential sources of contamination. The general susceptibility rankings assigned to each well of this system are provided immediately below. A report containing detailed information on how the susceptibility determinations were made has been furnished to our public water system and is available for viewing upon request. The wells in the City of Moorhead have received lower to moderate susceptibility rankings to contamination.

If you have any questions about this report or concerning your water utility, please contact Michael Branch at 662-246-5461. We want our valued customers to be informed about their water utility. If you want to learn more, please attend any of our regularly scheduled meetings. They are held on the second Wednesday of each month at 5:30 PM at the Moorhead City Hall.

We routinely monitor for constituents in your drinking water according to Federal and State laws. This table below lists all of the drinking water contaminants that were detected during the period of January 1st to December 31st, 2010. In cases where monitoring wasn't required in 2010, the table reflects the most recent results. As water travels over the surface of land or underground, it dissolves naturally occurring minerals and, in some cases, radioactive materials and can pick up substances or contaminants from the presence of animals or from human activity; operations, and wildlife; inorganic contaminants, such as salts and metals, which can be naturally occurring or result from urban storm-water runoff, industrial, or domestic wastewater discharges, oil and gas production, mining, or farming; pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm-water runoff, and residential uses; organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations and septic systems; radioactive contaminants, which can be naturally occurring or be the result of oil and gas production and mining stations and septic systems; radioactive contaminants, which can be naturally occurring or be the result of oil and gas production and mining provided by public water systems. All drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some constituents. It's important to remember that the presence of these constituents does not necessarily indicate that the water

In this table you will find many terms and abbreviations you might not be familiar with. To help you better understand these terms we've provided the following definitions:

Action Level - the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

Maximum Contaminant Level (MCL) - The "Maximum Allowed" (MCL) is the highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

Maximum Contaminant Level Goal (MCLG) - The "Goal" (MCLG) is the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

Maximum Residual Disinfectant Level (MRDL) – The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control microbial contaminants.

Maximum Residual Disinfectant Level Goal (MRDLG) — The level of a drinking water disinfectant below which there is no known or expected risk of health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

Parts per million (ppm) or Milligrams per liter (mg/l) - one part per million corresponds to one minute in two years or a single penny in \$10,000.

Parts per billion (ppb) or Micrograms per liter - one part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000. **TEST RESULTS** Contaminant Violation Date Range of Detects Level Unit MCLG MCL Likely Source of Contamination Y/N Collected Detected or # of Samples Measure Exceeding -ment MCL/ACL **Inorganic Contaminants** 10. Barium N 2010 .005 No Range ppm 2 Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits

13. Chromium	N	2010	11.4	3.3 – 11.4	ppb	100	100	Discharge from steel and pulp mills; erosion of natural deposits
14. Copper	N	2008*	.3	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
16. Fluoride	N	2010	.225	.207225	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
17. Lead	N	2008*	1	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
Disinfectio	on By	-Produc	ts 13	No Range	ppb	0	60	By-Product of drinking water disinfection.
82. TTHM [Total trihalomethanes]	N	2005*	19	No Range	ppb	0	80	
Chlorine	N	2010	.47	.2568	ppm	0	MDRL = 4	Water additive used to control microbes

^{*} Most recent sample. No sample required for 2010.

As you can see by the table, our system had no violations. We have learned through our monitoring and testing that some constituents have been detected, however, the EPA has determined that your water IS SAFE at these levels.

We are required to monitor your drinking water for specific constituents on a monthly basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. In an effort to ensure systems complete all monitoring requirements, MSDH now notifies systems of any missing samples prior to the end of the compliance period.

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Our Water Association is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at http://www.epa.gov/safewater/lead. The Mississippi State Department of Health Public Health Laboratory offers lead testing. Please contact 601.576.7582 if you wish to have your water tested.

All sources of drinking water are subject to potential contamination by substances that are naturally occurring or man made. These substances can be microbes, inorganic or organic chemicals and radioactive substances. All drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline at 1-800-426-4791.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline 1-800-426-4791.

The City of Moorhead is proud to offer a great product to each customer. Our water is health dept. tested each month. We work around the clock to provide top quality water to every tap. We ask that all our customers help us protect our water sources, which are the heart of our community, our way of life and our children's future.

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